



## **SUNNYVALE WATER POLLUTION CONTROL PLANT WASTEWATER DISCHARGE PERMIT**

ISSUED TO:	NASA Ames Research Center
EFFECTIVE DATE:	August 20, 2008
EXPIRATION DATE:	August 19, 2011
DISCHARGE ADDRESS:	Moffett Field, California 94035
CATEGORY:	LOCAL

This Permit is issued under authority established in the Sunnyvale Municipal Code, Section 12.12.180, "Wastewater Discharge Permits – Significant Industrial Users and Industrial Users". The holders of any Permit issued hereunder shall be subject at all times to all applicable Federal, State, and Local laws and regulations.

**All spills, upsets, and / or accidental discharge events into the storm or sanitary sewer must be immediately reported to the Sunnyvale Water Pollution Control Plant (WPCP) at (408) 730-7260. In the event of an emergency, contact the Sunnyvale Public Safety Department at (408) 730-7100, or by calling 911.**

Randal F. Moeller

Industrial Waste Inspector

# **LOCAL DISCHARGE LIMITATIONS - SMC 12.12.120**

1. Table 1 – Local Limits for Wastewater. The following Local Discharge Limitations apply to sample point: **05: Final Effluent, Flume in Fenced Area**

Pollutant	Local Maximum mg/l	Routine Monitoring *	Pollutant	Local Maximum mg/l	Routine Monitoring*
Antimony	1.0	-	Silver	0.2	-
Arsenic	0.3	-	Zinc	1.48	X
Barium	1.0	-	Cyanides	0.5	-
Beryllium	0.5	-	Phenols	1.0	X
Cadmium	0.1	X	pH, Std. Units	6.0-10.5	X
Chromium	1.7	X	Cresols	2.0	-
Cobalt	1.0	-	Total Toxic Organics**	1.0	X
Lead	0.5	X			
Mercury	0.01	-	Oil & Grease – Petroleum	100	-
Chlorinated Hydrocarbons	0.02	-	Oil & Grease – Animal or Vegetable	300	-
Selenium	1.0	-			
Pollutant	Instantaneous Maximum mg/l	*	Pollutant	Daily Maximum mg/l	*
Copper	0.7	X	Copper	0.5	X
Nickel	0.5	X	Nickel	0.25	X

\* Local limits routinely sampled by the WPCP are identified by an X and are based on what is known or believed to be present in the discharge. Compliance with all local limits is required; any compound or element may be sampled for at any time, including those not identified for routine monitoring. The WPCP will perform compliance monitoring per 40 CFR 403.12(g).

\*\*Total Toxic Organics, as defined under 40 CFR 413.02, but excluding phenols.

Local Maximum limits shall be applicable to samples collected by either grab or composite methods. Local Instantaneous Maximum limits shall be applied to grab samples only and Local Daily Maximum limits shall be applied to composite samples only.

2. It is unlawful to discharge any waste or wastewater:

- Having a temperature higher than 140 degrees Fahrenheit (or 60 degrees Celsius) or which alone or in conjunction with other source discharges will produce or release heat in such a quantity that the temperature of the influent to the WPCP exceeds 104 degrees Fahrenheit (or 40 degrees Celsius).
- Containing pollutants which create a fire or explosion hazard in the sewerage system, including, but not limited to, waste with a closed cup flashpoint of less than 140 degrees Fahrenheit (or 60 degrees Celsius) using the test methods specified in 40 CFR 261.21.
- Effluent limitations promulgated as categorical standards, 40 CFR Chapter 1, Subchapter N and 40 CFR 403.6 shall apply in any instance where they are more stringent than those in this chapter.

  
 IW Inspector

## SELF-MONITORING REQUIREMENTS

X

Self-monitoring and reporting requirements listed in Table 3.

**Table 3 – Self-Monitoring Requirements**

The following shall be monitored at sample point: **05: Final Effluent, Flume in Fenced Area**

Parameter	Monitoring Frequency	Report Due
Effluent Discharge Meter Readings	Daily	Submit with Permit Application

## OTHER REQUIREMENTS

1.	In order to renew this Permit a new Wastewater Discharge Permit Application must be submitted by <b>August 19, 2011</b> . An Application will be sent to you far enough in advance to allow for this requirement.
2.	The director may require the user to construct, at the users own expense, monitoring facilities to allow inspection, sampling, and flow measurement of specific water supply points, the building sewer, or internal drainage systems and may also require sampling or metering equipment to be provided, installed, operated, and maintained at the user's expense. {SMC 12.12.250(a)}

*Reports shall be mailed or delivered to the following address on or before the due date.*

*Department of Public Works*

*Environmental Division - WPCP*

*1444 Borregas Ave.*

*P.O. Box 3707*

*Sunnyvale, CA 94088-3707*

## **NOTIFICATION AND REPORTING REQUIREMENTS:**

### **1. Permit and Application –**

**1A. Change of Conditions** - All industrial users shall notify the WPCP prior to any changes to the user's operations or system which might alter the nature, quality or quantity of the discharge, or upon change in ownership of the property served, business ownership, activity or process. This requirement may be satisfied by filing a new or amended Discharge Permit Application or comparable report if approved by the director, except where reporting requirements apply as contained in the general pretreatment regulations (SMC 12.12.190).

**1B. No Transfer of a Permit** - Wastewater Discharge Permits are issued to a specific user for a specific operation. A Wastewater Discharge Permit shall not be reassigned, transferred, or sold to a new owner, new user, different premises, or a new or changed operation. (SMC 12.12.230)

**1C. Renewal of Wastewater Discharge Permit** - Wastewater Discharge Permits must be renewed by the user upon expiration unless extended by the director for a period not to exceed 90 days. Application for a permit renewal must be submitted to the WPCP at least 60 days prior to expiration of the existing permit. The director may require a facility inspection and submittal of a new Application. After evaluation and approval, the director may issue a new Wastewater Discharge Permit. (SMC 12.12.220)

### **2. Slug Discharge or Violations**

**2A. Slug Discharge Notification** – Significant Industrial Users are required to notify the WPCP immediately of any changes at its facility affecting potential for a Slug Discharge. A Slug Discharge is any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or non-customary batch discharge, which has a reasonable potential to cause interference or pass through, or in any other way violate the WPCP's regulations, local limits or Permit conditions. (40 CFR 403.8(f)(2)(vi))

**2B. Notification of Discharge** – Industrial Users shall immediately notify the WPCP upon discharging wastes in violation of Section 12.12.020 which may include a slug load, to enable countermeasures to be taken by the City to minimize damage to the sewerage system, storm sewer system and the receiving waters. This notification shall be followed, within five working days of the date of occurrence, by a detailed written statement to the Director of Public Works describing the causes of the accidental discharge and the measures being taken to prevent future occurrences. Such notification will not relieve users of liability for any expense, loss or damage to the sewerage system, or for any fines imposed by the City on account thereof under Section 13350 of the California Water Code or for violations of Section 5650 of the California Fish and Game Code, or for other violations of Federal, State or local law where applicable. (SMC 12.12.300)

### **3. Monitoring**

**3A. Measurement of Pollutants** - Sampling and analysis, including self-monitoring, shall be performed in accordance with the techniques and test procedures prescribed in 40 CFR Part 136 and amendments thereto or as the same shall be later amended. Where 40 CFR Part 136 does not contain sampling or analytical techniques for the pollutant in question, alternative sampling and analysis techniques validated by Federal or State law or regulations may be authorized by the director. (SMC 12.12.254)

**3B. Additional Monitoring Reporting Requirement** – If an Industrial User monitors any regulated pollutant at the appropriate sampling point more frequently than required by the WPCP, using approved procedures, the results of this monitoring shall be routinely submitted to the WPCP. (40 CFR 403.12(g)(6))

**3C. Violation Reporting** - If sampling performed by self monitoring indicates a violation, the Industrial User must notify the WPCP within 24 hours of becoming aware of the violation. The Industrial User shall also repeat the sampling and submit the sample results to the WPCP within 30 days after becoming aware of the violation. (40 CFR 403.12(g)(2))

**3D. Maintenance of Monitoring Records** Any Industrial User shall maintain all records for three years resulting from any required sampling or monitoring activities of the user's wastewater. Such records shall be available to the director for inspection and copying. (SMC 12.12.330)

## **DISCHARGE PROHIBITIONS**

1. No person shall discharge wastes to a City sanitary sewer which cause, threaten to cause, or are capable of causing either alone or by interaction with other substances:
  - a) A fire or explosion.
  - b) Obstruction of flow in a sewer system or injury of the system or damage to the wastewater collection, treatment or disposal facilities.
  - c) Danger to life, health, or safety of humans.
  - d) A strong, offensive odor, or prevention of the effective maintenance or operation of the sewerage system.
  - e) Air pollution by the release of toxic or malodorous gases, fumes, vapors, or malodorous, noxious or corrosive gas producing substances.
  - f) Interference with the wastewater treatment process or pass through at the WPCP; however, the affirmative defenses set forth in 40 CFR 403.5(2) shall be available to discharger.
  - g) Interference with the reclamation, reuse, or disposal of the City's effluent, or any other product of the treatment process.
  - h) A detrimental environmental impact or a nuisance in the waters of the State or a condition which violates the rules and regulations of any public agency having regulatory jurisdiction over the City, including but not limited to any statute or any rule, regulation, or ordinance of any public agency, State, or Federal regulatory body.
  - i) Discoloration or any other condition in the quality of the WPCP effluent such that receiving water quality requirements established by law cannot be met.
  - j) Quantities or rates of flow defined as slugs, which overload the sewerage system or cause excessive collection or treatment costs, or may use a disproportionate share of the sewerage system. (SMC 12.12.020)
2. It is unlawful to discharge or threaten to discharge any sanitary sewage, waste or wastewater into any storm drain or natural outlet or channel. (SMC 12.12.041)
3. Stormwater, groundwater, rainwater, street drainage, subsurface drainage or yard drainage shall not be discharged through direct or indirect connections to a sanitary sewer unless granted written approval by the director. The director may approve the discharge of such water only when no reasonable alternative method of disposal of such water is available. If approval is granted for the discharge of such water into a sanitary sewer, the user shall pay the applicable user charges and fees and meet such other conditions as may be required by the city. (SMC 12.12.050)
4. The use of diluting waters as a partial or complete substitute for adequate treatment to achieve compliance or to meet the local limitations for wastewater of Section 12.12.120 or as specified in the wastewater discharge permit is prohibited. (SMC 12.12.060)

## APPLICABLE PENALTIES

Civil Penalties that may be imposed pursuant to Government Code Section 54740.5 are as follows:

1. An amount not to exceed two thousand dollars for each day for failing or refusing to furnish technical or monitoring reports.
2. An amount not to exceed three thousand dollars for each day for failing or refusing to timely comply with any compliance schedule established by the City.
3. An amount not to exceed five thousand dollars per violation for each day of violation for discharges in violation of any waste discharge limitation, Permit condition, or requirement issued, reissued or adopted by the City.
4. An amount not to exceed ten dollars per gallon for discharges in violation of any suspension, cease and desist order or other orders, or prohibition issued, reissued or adopted by the City.
5. Any person who intentionally or negligently violates any provision of Chapters 12.04 through 12.18 or any provision of any Permit shall be civilly liable to the City in a sum of not to exceed twenty-five thousand dollars per day for each day in which such violation occurs.

## SIGNATORY REQUIREMENTS

Reports submitted pursuant to any part of this Permit shall include the following certification statement:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Reports shall be signed as follows:

1. By a responsible corporate officer, if the Industrial User submitting the reports is a corporation. For the purposes of this Permit, a responsible corporate officer shall be defined as (A) A president, secretary, treasurer, or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or (B) the manager of one or more manufacturing, production, or operation facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
2. By a general partner or proprietor if the Industrial User submitting the reports is a partnership or sole proprietorship respectively.
3. By a duly authorized representative of the responsible corporate officer, general partner or proprietor, when that authorization is made in writing and submitted with the report. The authorization shall specify either an individual or a position having responsibility for the overall operation of the facility from which the industrial discharge originates, or having overall responsibility for environmental matter for the company. If an authorization under this paragraph is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, or overall responsibility for environmental matters for the company, a new authorization satisfying the requirements of this section must be submitted prior to or together with any reports to be signed by an authorized representative.

  
IW Inspector